Please amend the above-identified patent application, without prejudice, as follows:

IN THE CLAIMS:

Amend claims 1-3, 7, 12 and 13 by replacement as follows:

1. (twice amended) Electroluminescent device comprising in this order

(a) an anode

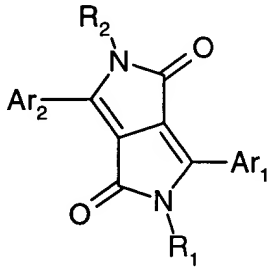
(b) a hole transporting layer

(c) a light-emitting layer

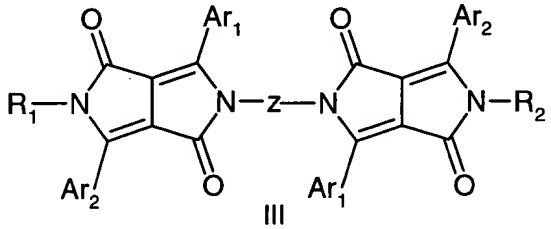
(d) optionally an electron transporting layer and

(e) a cathode

and a light-emitting substance, wherein the light-emitting substance is a diketopyrrolopyrrole ("DPP") represented by formula I or formula III



I

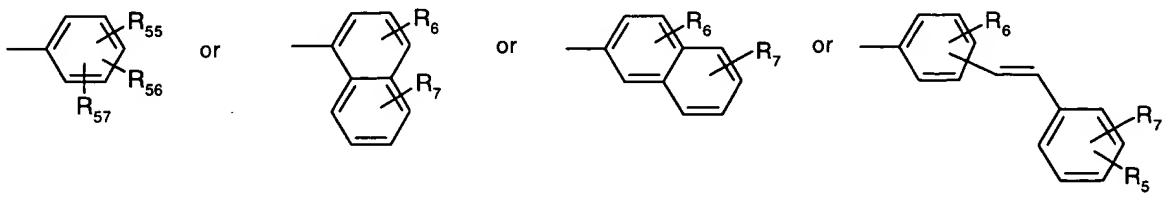


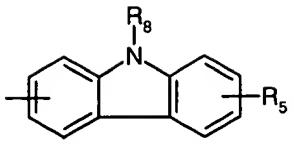
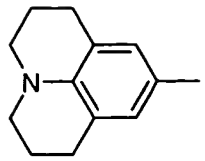
III

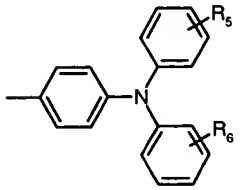
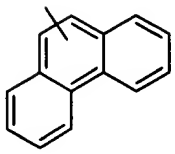
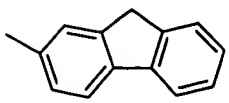
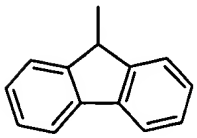
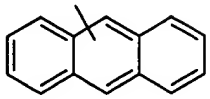
wherein R_1 and R_2, independently from each other, stand for C_1-C_{25}-alkyl, allyl which can be substituted one to three times with C_1-C_3alkyl or Ar_3, or $-CR_3R_4-(CH_2)_m-Ar_3$, wherein R_3 and R_4 independently from each other stand for hydrogen, C_1-C_4alkyl, or phenyl which can be substituted one to three times with C_1-C_3 alkyl,

Ar_3 stands for phenyl or 1- or 2-naphthyl which can be substituted one to three times with C_1-C_8alkyl, C_1-C_8alkoxy, halogen or phenyl, which can be substituted with C_1-C_8alkyl or C_1-C_8alkoxy one to three times, and m stands for 0, 1, 2, 3 or 4,

Ar_1 and Ar_2, independently from each other, stand for



or  or julodidyl,  , which can be substituted one to four times with C_1-C_4alkyl, C_1-C_4alkoxy, or phenyl

or  ,  ,  ,  , or  ,

wherein

R_5, R_6 and R_7, independently from each other, stand for hydrogen, cyano, halogen, C_1-C_6alkyl, $-NR_8R_9$, $-OR_{10}$, $-S(O)_nR_8$, $-Se(O)_nR_8$, or phenyl, which can be substituted one to three times with C_1-C_8alkyl or C_1-C_8alkoxy,

R_{55}, R_{56} and R_{57}, independently from each other, stand for hydrogen, cyano, halogen, $-NR_8R_9$, $-OR_{10}$, $-S(O)_nR_8$, $-Se(O)_nR_8$, or phenyl, which can be substituted one to three times with C_1-C_8alkyl or C_1-C_8alkoxy,

with the proviso that R_{56} and R_{57} do not simultaneously stand for hydrogen,

wherein R_8 and R_9, independently from each other, stand for hydrogen, phenyl, C_1-C_{25}-alkyl, C_5-C_{12}-cycloalkyl, $-CR_3R_4$-$(CH_2)_m$-Ph, R_{10}, wherein R_{10} stands for C_6-C_{24}-aryl, or a saturated or unsaturated heterocyclic radical comprising five to seven ring atoms,

wherein the ring consists of carbon atoms and one to three hetero atoms selected from the group consisting of nitrogen, oxygen and sulfur, wherein Ph, the aryl and heterocyclic radical can be substituted one to three times with C_1-C_8alkyl, C_1-C_8alkoxy, or halogen, or

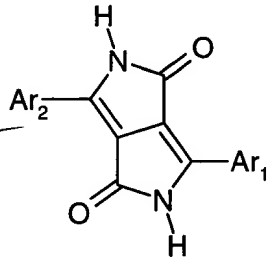
R_8 and R_9 stand for $-C(O)R_{11}$, wherein R_{11} can be C_1-C_{25}-alkyl, C_5-C_{12}-cycloalkyl, R_{10}, $-OR_{12}$ or $-NR_{13}R_{14}$, wherein R_{12}, R_{13}, and R_{14} stand for C_1-C_{25}-alkyl, C_5-C_{12}-cycloalkyl, C_6-C_{24}-aryl,

or

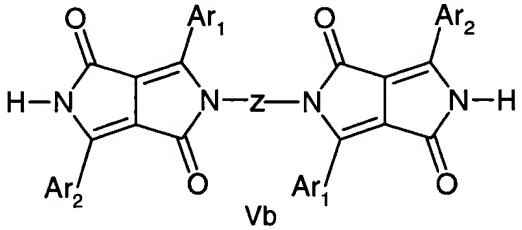
R_5, R_6 and R_7, independently of one another, stand for a saturated or unsaturated heterocyclic radical comprising five to seven ring atoms, wherein the ring consists of carbon atoms and one to three hetero atoms selected from the group consisting of nitrogen, oxygen and sulfur, wherein the aryl and heterocyclic radical can be substituted one to three times with C_1-C_8alkyl or C_1-C_8alkoxy, or $-NR_8R_9$

stands for a five- or six-membered heterocyclic radical in which R_8 and R_9 together stand for tetramethylene, pentamethylene, $-CH_2-CH_2-O-CH_2-CH_2-$, or $-CH_2-CH_2-NR'_5-CH_2-CH_2-$, wherein R'_5 independently from each other, stand for hydrogen, cyano, halogen, C_1-C_6alkyl, ~~$-NR_8R_9$~~, $-OR_{10}$, $-S(O)_nR_8$, $-Se(O)_nR_8$, or phenyl, which can be substituted one to three times with C_1-C_8alkyl or C_1-C_8alkoxy, and n stands for 0, 1, 2 or 3,
and wherein Z stands for a diradical selected from the group consisting of a single bond, C_2-C_6alkylene, which can be substituted one to three times with C_1-C_4alkyl, C_1-C_4alkoxy, or phenyl, phenylene or naphthylene, wherein in case of the DPP of formula III R_{55}, R_{56} and R_{57}, independently from each other, can also stand for C_1-C_6alkyl and R_{56} and R_{57} can also stand simultaneously for hydrogen.

2. (twice amended) Process for the preparation of a compound represented by formula I or III according to claim 7 comprising in a first step the DPP derivative of formula Va or formula Vb

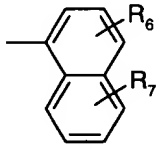


Va



Vb

wherein Ar_1 and Ar_2 are independently from each other,



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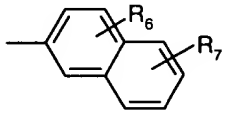

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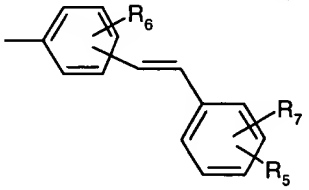

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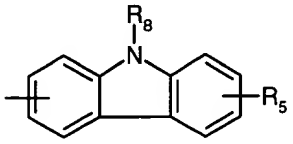
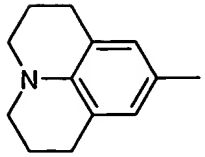
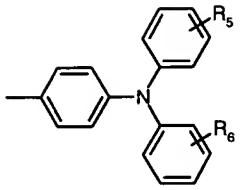
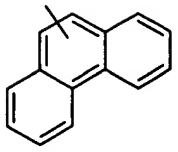
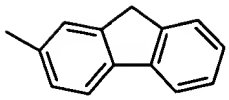
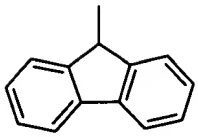
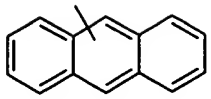


or julodidyl,



, which can be substituted one to four times with C_1-C_4alkyl, C_1-C_4alkoxy, or phenyl

or  ,  ,  ,  , or  ,

wherein

R_5, R_6 and R_7, independently from each other, stand for hydrogen, cyano, halogen, C_1-C_6alkyl, $-NR_8R_9$, $-OR_{10}$, $-S(O)_nR_8$, $-Se(O)_nR_8$, or phenyl, which can be substituted one to three times with C_1-C_8alkyl or C_1-C_8alkoxy,

wherein R_8 and R_9, independently from each other, stand for hydrogen, phenyl, C_1-C_{25}-alkyl, C_5-C_{12}-cycloalkyl, $-CR_3R_4$-$(CH_2)_m$-Ph, R_{10}, wherein R_{10} stands for C_6-C_{24}-aryl, or a saturated or unsaturated heterocyclic radical comprising five to seven ring atoms,

wherein the ring consists of carbon atoms and one to three hetero atoms selected from the group consisting of nitrogen, oxygen and sulfur, wherein Ph, the aryl and heterocyclic radical can be substituted one to three times with C_1-C_8alkyl, C_1-C_8alkoxy, or halogen, or

R_8 and R_9 stand for $-C(O)R_{11}$, wherein R_{11} can be C_1-C_{25}-alkyl, C_5-C_{12}-cycloalkyl, R_{10}, $-OR_{12}$ or $-NR_{13}R_{14}$, wherein

R_{12}, R_{13}, and R_{14} stand for C_1-C_{25}-alkyl, C_5-C_{12}-cycloalkyl, C_6-C_{24}-aryl,

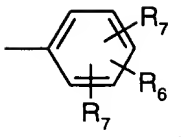
or

R_5, R_6 and R_7, independently of one another, stand for a saturated or unsaturated heterocyclic radical comprising five to seven ring atoms, wherein the ring consists of carbon atoms and one to three hetero atoms selected from the group consisting of nitrogen, oxygen and sulfur, wherein the aryl and heterocyclic radical can be substituted one to three times with C_1-C_8alkyl or C_1-C_8alkoxy,

or $-NR_8R_9$ stands for a five- or six-membered heterocyclic radical in which R_8 and R_9 together stand for tetramethylene, pentamethylene, $-CH_2$-CH_2-O-CH_2-CH_2-, or

$-CH_2$-CH_2-NR'_5-CH_2-CH_2-, and n stands for 0, 1, 2 or 3, wherein R'_5 independently from each other, stand for hydrogen, cyano, halogen, C_1-C_6alkyl, $-OR_{10}$, $-S(O)_nR_8$, $-Se(O)_nR_8$, or phenyl, which can be substituted one to three times with C_1-C_8alkyl or C_1-C_8alkoxy,

and wherein Z stands for a diradical selected from the group consisting of a single bond, C_2-C_6alkylene, which can be substituted one to three times with C_1-C_4alkyl, C_1-C_4alkoxy, or phenyl, phenylene or naphthylene, with the proviso that R_6 and R_7 do not stand simultaneously for hydrogen

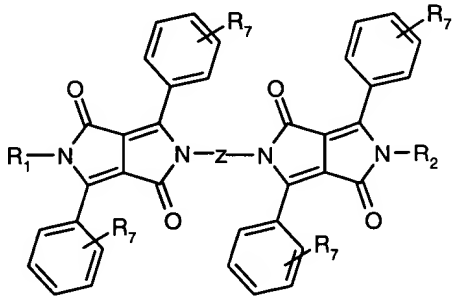


wherein in case of the DPP represented by formula III Ar_1 and Ar_2 can also stand for , wherein R_5, R_6 and R_7, independently from each other, stand for hydrogen, cyano, halogen, C_1-C_6alkyl, $-NR_8R_9$, $-OR_{10}$, $-S(O)_nR_8$, $-Se(O)_nR_8$, or phenyl, which can be substituted one to three times with C_1-C_8alkyl or C_1-C_8alkoxy,

with a base, then, in a second step, treating the reaction mixture obtained in the first step with an alkylating agent, wherein in the first step the base is a hydride, an alkali metal alkoxide or a carbonate, and the alkylating agent is a compound of the formula $(R_1)_{1\text{ or }2}X$, wherein X stands for SO_3-, (p-Me-phenyl)SO_3-, (2,4,6-trimethyl-phenyl)-, SO_3-, $-CO_3$-, $-SO_4$-, or halogen, or a mixture of $(R_1)_{1\text{ or }2}X$ and $(R_2)_{1\text{ or }2}X$, wherein R_1 and R_2 are independently from each other, C_1-C_{25}-alkyl, allyl which can be substituted one to three times with C_1-C_3alkyl or Ar_3, or $-CR_3R_4$-$(CH_2)_m$-Ar_3, wherein R_3 and R_4 independently from each other stand for hydrogen or C_1-C_4alkyl, or phenyl which can be substituted one to three times with C_1-C_3 alkyl,

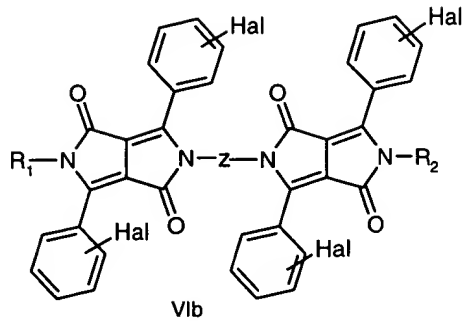
Ar_3 stands for phenyl or 1- or 2-naphthyl which can be substituted one to three times with C_1-C_8alkyl, C_1-C_8alkoxy, halogen or phenyl, which can be substituted with C_1-C_8alkyl or C_1-C_8alkoxy one to three times, and m stands for 0, 1, 2, 3 or 4.

3. (twice amended) Process for the preparation of compounds represented by formula IIIa

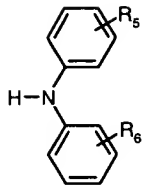


IIIa

comprising (a) treating in a first step the DPP derivative of ~~formula VIa or~~ formula VIb



VIb



wherein R_7 stand for $-NR_8R_9$, $-OR_{10}$, $-S(O)_nR_8$, $-Se(O)_nR_8$, or , wherein R_5 and R_6, independently from each other, stand for hydrogen, cyano, halogen, C_1-C_6alkyl, $-NR'_8R'_9$, $-OR_{10}$, $-S(O)_nR'_8$, $-Se(O)_nR'_8$, wherein

R_8 and R_9, independently from each other, stand for hydrogen, phenyl, C_1-C_{25}-alkyl, C_5-C_{12}-cycloalkyl, $-CR_3R_4$-$(CH_2)_m$-Ph, R_{10}, wherein R_{10} stands for C_6-C_{24}-aryl, or a saturated or unsaturated heterocyclic radical comprising five to seven ring atoms,

wherein the ring consists of carbon atoms and one to three hetero atoms selected from the group consisting of nitrogen, oxygen and sulfur, wherein Ph, the aryl and heterocyclic radical can be substituted one to three times with C_1-C_8alkyl, C_1-C_8alkoxy, or halogen, or

R_8 and R_9 stand for $-C(O)R_{11}$, wherein R_{11} can be C_1-C_{25}-alkyl, C_5-C_{12}-cycloalkyl, R_{10}, $-OR_{12}$ or $-NR_{13}R_{14}$, wherein R_{12}, R_{13}, and R_{14} stand for C_1-C_{25}-alkyl, C_5-C_{12}-cycloalkyl, C_6-C_{24}-aryl,

R'_8 and R'_9, independently from each other, stand for hydrogen, phenyl, C_1-C_{25}-alkyl, C_5-C_{12}-cycloalkyl, $-CR_3R_4$-$(CH_2)_m$-Ph, R_{10}, wherein R_{10} stands for C_6-C_{24}-aryl, or a saturated or unsaturated heterocyclic radical comprising five to seven ring atoms, wherein the ring consists of carbon atoms and one to three hetero atoms selected from the group consisting of nitrogen, oxygen and sulfur, wherein Ph, the aryl and heterocyclic radical can be substituted one to three times with C_1-C_8alkyl, C_1-C_8alkoxy, or halogen, or

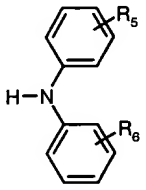
or $-NR_8R_9$ stands for a five- or six-membered heterocyclic radical in which R_8 and R_9 together stand for tetramethylene, pentamethylene, $-CH_2$-CH_2-O-CH_2-CH_2-, or

$-CH_2-CH_2-NR'_5-CH_2-CH_2-$, wherein R'_5 independently from each other, stand for hydrogen, cyano, halogen, C_1-C_6alkyl, $-OR_{10}$, $-S(O)_nR_8$, $-Se(O)_nR_8$, or phenyl, which can be substituted one to three times with C_1-C_8alkyl or C_1-C_8alkoxy, and n stands for 0, 1, 2 or 3,

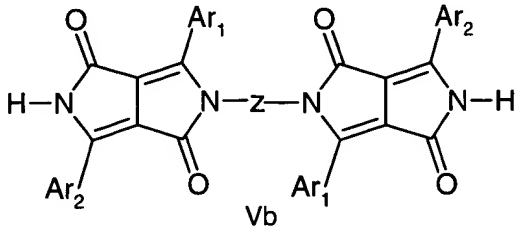
R'_8 and R'_9, independently from each other, stand for hydrogen, phenyl, C_1-C_{25}-alkyl, C_5-C_{12}-cycloalkyl, $-CR_3R_4-(CH_2)_m$-Ph, R_{10}, wherein R_{10} is as defined above, or

R'_8 and R'_9 stand for $-C(O)R_{11}$, wherein R_{11} is as defined above,

or $-NR'_8R'_9$ stands for a five- or six-membered heterocyclic radical in which R'_8 and R'_9 together stand for tetramethylene, pentamethylene, $-CH_2-CH_2-O-CH_2-CH_2-$, or $-CH_2-CH_2-NR'_5-CH_2-CH_2-$, wherein R'_5 stand for hydrogen, cyano, halogen, C_1-C_6alkyl, $-OR_{10}$, $-S(O)_nR_8$, $-Se(O)_nR_8$, or phenyl, which can be substituted one to three times with C_1-C_8alkyl or C_1-C_8alkoxy, and n is as defined above,

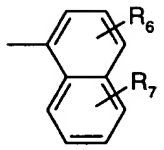
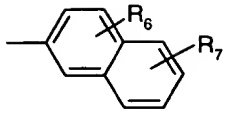
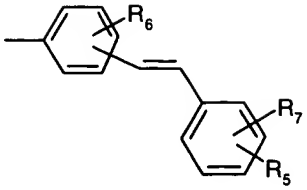
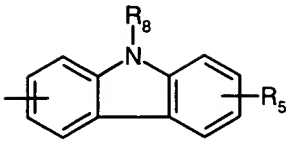
R_1 and R_2 are independently from each other, hydrogen, C_1-C_{25}-alkyl, allyl which can be substituted one to three times with C_1-C_3alkyl or Ar_3, or $-CR_3R_4-(CH_2)_m-Ar_3$, wherein R_3 and R_4 independently from each other stand for hydrogen, C_1-C_4alkyl, or phenyl which can be substituted one to three times with C_1-C_3, Hal stands for halogen, with a nucleophilic agent selected from $-NR_8R_9$, $-OR_{10}$, $-S(O)_nR_8$, $-Se(O)_nR_8$, or 

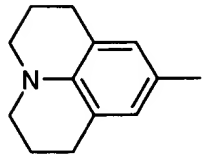
, in a molar ratio of DPP VIa or VIb:nucleophilic agent in the range of 1.2:1 to 0.8:1, or, if R_2 has the same meaning as R_1 in the range of from 1:2.5 to 1:1, in the presence of an anhydrous dipolar aprotic solvent, and of an anhydrous base in an amount in the range of from 0.1 to 15 moles per mole of the nucleophilic agent, at a temperature in the range of from 100 to 220°C and under a pressure in the range of from 100 to 300 kPa, and optionally isolating the obtained compound

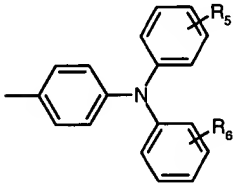
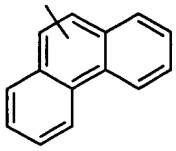
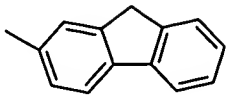
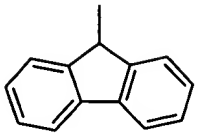
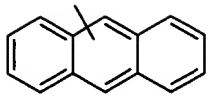


Vb

(b) then treating the obtained compound Va or Vb, wherein Ar_1 and Ar_2 are ~~as defined in claim 7~~ independently from each other,





or julodidyl,


, which can be substituted one to four times with C_1-C_4alkyl, C_1-C_4alkoxy, or phenyl

wherein

R_5, R_6 and R_7, independently from each other, stand for hydrogen, cyano, halogen, C_1-C_6alkyl, $-NR_8R_9$, $-OR_{10}$, $-S(O)_nR_8$, $-Se(O)_nR_8$, or phenyl, which can be substituted one to three times with C_1-C_8alkyl or C_1-C_8alkoxy,

wherein R_8 and R_9, independently from each other, stand for hydrogen, phenyl, C_1-C_{25}-alkyl, C_5-C_{12}-cycloalkyl, $-CR_3R_4-(CH_2)_m$-Ph, R_{10}, wherein R_{10} stands for C_6-C_{24}-aryl, or a saturated or unsaturated heterocyclic radical comprising five to seven ring atoms,

wherein the ring consists of carbon atoms and one to three hetero atoms selected from the group consisting of nitrogen, oxygen and sulfur, wherein Ph, the aryl and heterocyclic radical can be substituted one to three times with C_1-C_8alkyl, C_1-C_8alkoxy, or halogen, or

R_8 and R_9 stand for $-C(O)R_{11}$, wherein R_{11} can be C_1-C_{25}-alkyl, C_5-C_{12}-cycloalkyl, R_{10}, $-OR_{12}$ or $-NR_{13}R_{14}$, wherein

R_{12}, R_{13}, and R_{14} stand for C_1-C_{25}-alkyl, C_5-C_{12}-cycloalkyl, C_6-C_{24}-aryl,

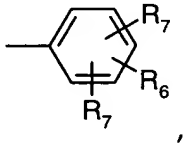
or

R_5, R_6 and R_7, independently of one another, stand for a saturated or unsaturated heterocyclic radical comprising five to seven ring atoms, wherein the ring consists of carbon atoms and one to three hetero atoms selected from the group consisting of nitrogen, oxygen and sulfur, wherein the aryl and heterocyclic radical can be substituted one to three times with C_1-C_8alkyl or C_1-C_8alkoxy,

or $-NR_8R_9$ stands for a five- or six-membered heterocyclic radical in which R_8 and R_9 together stand for tetramethylene, pentamethylene, $-CH_2-CH_2-O-CH_2-CH_2-$, or

$-CH_2-CH_2-NR'_5-CH_2-CH_2-$, and n stands for 0, 1, 2 or 3, wherein R'_5 independently from each other, stand for hydrogen, cyano, halogen, C_1-C_6alkyl, $-OR_{10}$, $-S(O)_nR_8$, $-Se(O)_nR_8$, or phenyl, which can be substituted one to three times with C_1-C_8alkyl or C_1-C_8alkoxy,

and wherein Z stands for a diradical selected from the group consisting of a single bond, C_2-C_6alkylene, which can be substituted one to three times with C_1-C_4alkyl, C_1-C_4alkoxy, or phenyl, phenylene or naphthylene, with the proviso that R_6 and R_7 do not stand simultaneously for hydrogen



wherein in case of the DPP represented by formula III Ar_1 and Ar_2 can also stand for ,

wherein R_5, R_6 and R_7, independently from each other, stand for hydrogen, cyano, halogen, C_1-C_6alkyl, $-NR_8R_9$, $-OR_{10}$, $-S(O)_nR_8$, $-Se(O)_nR_8$, or phenyl, which can be substituted one to three times with C_1-C_8alkyl or C_1-C_8alkoxy,

with a base, thereafter in a second step, treating the reaction mixture obtained in the first step of (b) with an alkylating agent, wherein in the first step of (b) the base is a hydride, an alkali metal alkoxide or a carbonate, and the alkylating agent is a compound of the formula $(R_1)_{1\text{ or }2}X$, wherein X stands for SO_3-, (p-Me-phenyl)-SO_3-, (2,4,6-trimethyl-phenyl)-SO_3-, $-CO_3$-, $-SO_4$-, or halogen, or a mixture of $(R_1)_{1\text{ or }2}X$ and $(R_2)_{1\text{ or }2}X$.

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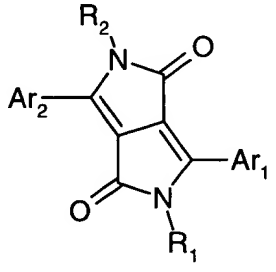
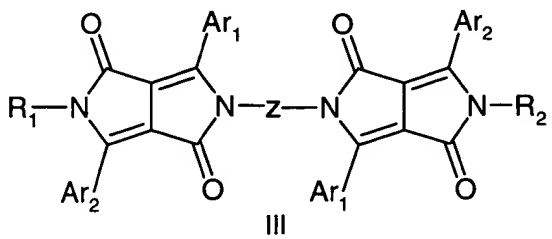
7. (twice amended) Fluorescent diketopyrrolopyrrole represented by formula I or formula III



I

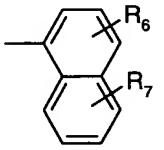


III

wherein R_1 and R_2, independently from each other, stand for C_1-C_{25}-alkyl, allyl which can be substituted one to three times with C_1-C_3alkyl or Ar_3, or $-CR_3R_4-(CH_2)_m-Ar_3$, wherein R_3 and R_4 independently from each other stand for hydrogen or C_1-C_4alkyl, or phenyl which can be substituted one to three times with C_1-C_3 alkyl,

Ar_3 stands for phenyl or 1- or 2-naphthyl which can be substituted one to three times with C_1-C_8alkyl, C_1-C_8alkoxy, halogen or phenyl, which can be substituted with C_1-C_8alkyl or C_1-C_8alkoxy one to three times, and m stands for 0, 1, 2, 3 or 4,

Ar_1 and Ar_2, independently from each other, stand for



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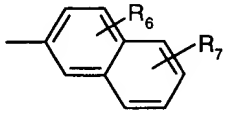

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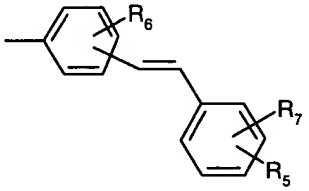

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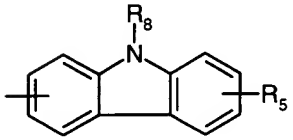
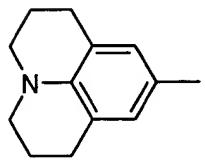
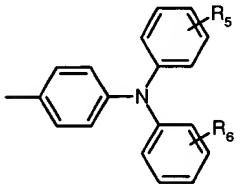


or julodidyl,



, which can be substituted one to four times with C_1-C_4alkyl, C_1-C_4alkoxy, or phenyl

or


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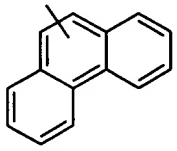
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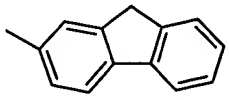
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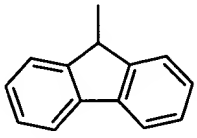
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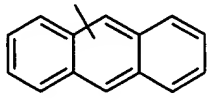

,

wherein

R_5, R_6 and R_7, independently from each other, stand for hydrogen, cyano, halogen, C_1-C_6alkyl, $-NR_8R_9$, $-OR_{10}$, $-S(O)_nR_8$, $-Se(O)_nR_8$, or phenyl, which can be substituted one to three times with C_1-C_8alkyl or C_1-C_8alkoxy,

wherein R_8 and R_9, independently from each other, stand for hydrogen, phenyl, C_1- C_{25}-alkyl, C_5-C_{12}-cycloalkyl, $-CR_3R_4-(CH_2)_m-Ph$, R_{10}, wherein R_{10} stands for C_6-C_{24}-aryl, or a saturated or unsaturated heterocyclic radical comprising five to seven ring atoms,

wherein the ring consists of carbon atoms and one to three hetero atoms selected from the group consisting of nitrogen, oxygen and sulfur, wherein Ph, the aryl and heterocyclic radical can be substituted one to three times with C_1-C_8alkyl, C_1-C_8alkoxy, or halogen, or

R_8 and R_9 stand for -C(O)R_{11}, wherein R_{11} can be C_1-C_{25}-alkyl, C_5-C_{12}-cycloalkyl, R_{10}, -OR_{12} or -$NR_{13}R_{14}$, wherein

R_{12}, R_{13}, and R_{14} stand for C_1-C_{25}-alkyl, C_5-C_{12}-cycloalkyl, C_6-C_{24}-aryl,

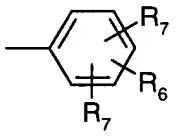
or

R_5, R_6 and R_7, independently of one another, stand for a saturated or unsaturated heterocyclic radical comprising five to seven ring atoms, wherein the ring consists of carbon atoms and one to three hetero atoms selected from the group consisting of nitrogen, oxygen and sulfur, wherein the aryl and heterocyclic radical can be substituted one to three times with C_1-C_8alkyl or C_1-C_8alkoxy,

or -NR_8R_9 stands for a five- or six-membered heterocyclic radical in which R_8 and R_9 together stand for tetramethylene, pentamethylene, -CH_2-CH_2-O-CH_2-CH_2-, or

-CH_2-CH_2-NR'$_5$-CH_2-CH_2-, and n stands for 0, 1, 2 or 3, wherein R'$_5$ independently from each other, stand for hydrogen, cyano, halogen, C_1-C_6alkyl, -OR_{10}, -S(O)$_n$$R_8$, -Se(O)$_n$$R_8$, or phenyl, which can be substituted one to three times with C_1-C_8alkyl or C_1-C_8alkoxy,

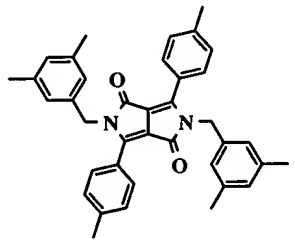
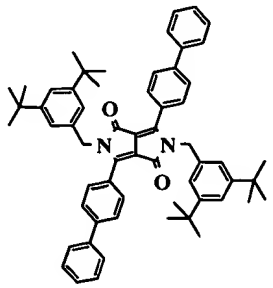
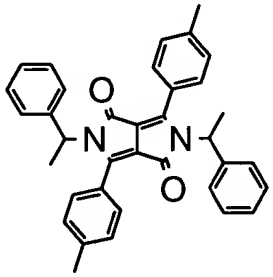
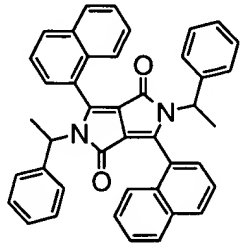
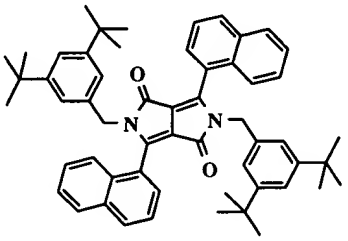
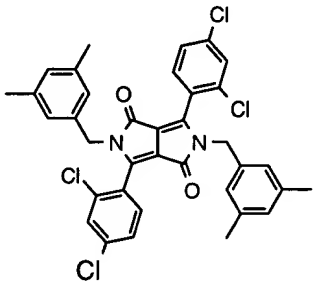
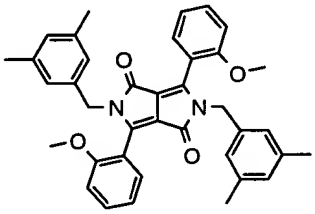
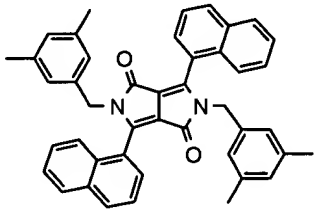
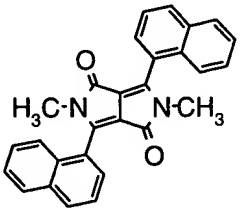
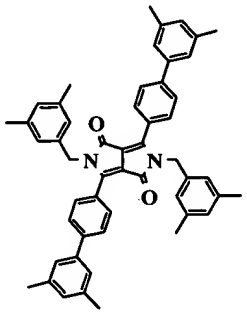
and wherein Z stands for a diradical selected from the group consisting of a single bond, C_2-C_6alkylene, which can be substituted one to three times with C_1-C_4alkyl, C_1-C_4alkoxy, or phenyl, phenylene or naphthylene, with the proviso that R_6 and R_7 do not stand simultaneously for hydrogen,



wherein in case of the DPP represented by formula III Ar_1 and Ar_2 can also stand for , wherein R_5, R_6 and R_7, independently from each other, stand for hydrogen, cyano, halogen, C_1-C_6alkyl, -NR_8R_9, -OR_{10}, -S(O)$_n$$R_8$, -Se(O)$_n$$R_8$, or phenyl, which can be substituted one to three times with C_1-C_8alkyl or C_1-C_8alkoxy.

12. (amended) An electroluminescent device according to claim 1 wherein R_8 and R_9 together stand for -CH_2-CH_2-O-CH_2-CH_2-.

13. A compound according to the formulae

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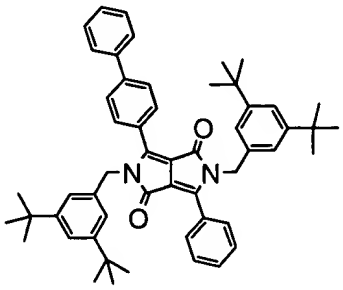
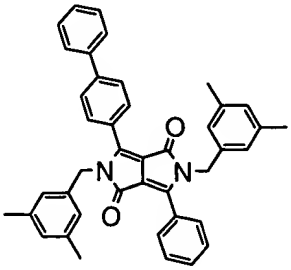
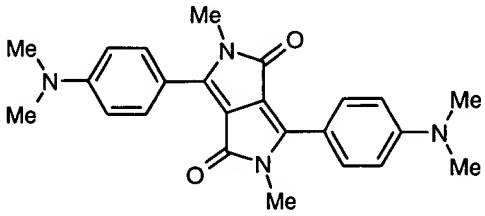
	

14. (new) A compound according to the formulae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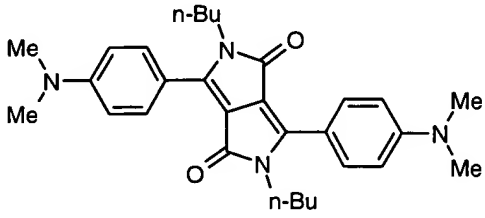
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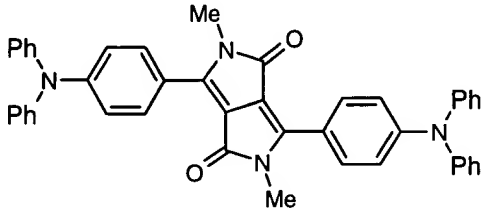
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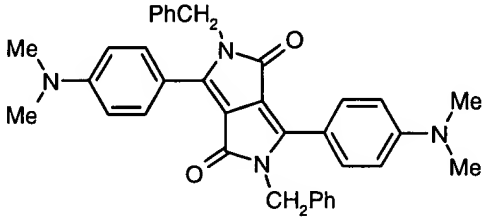
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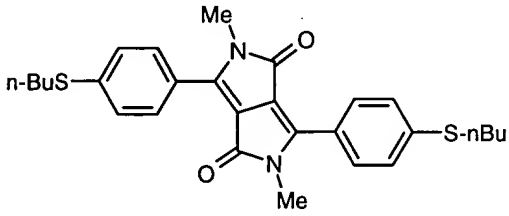
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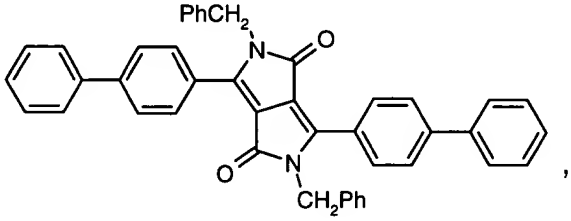
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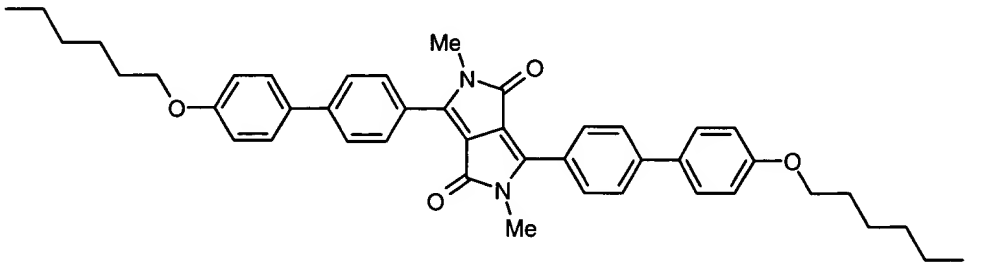
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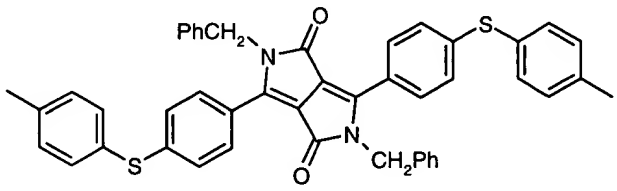
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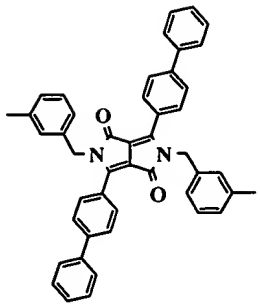
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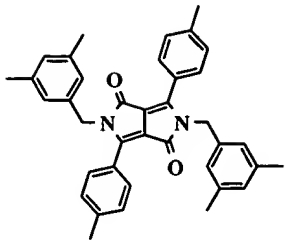
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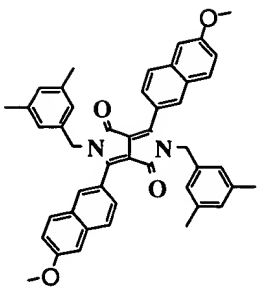
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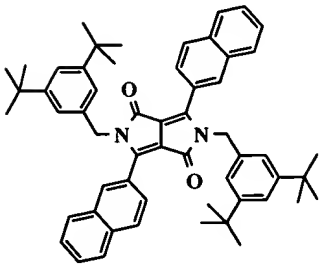
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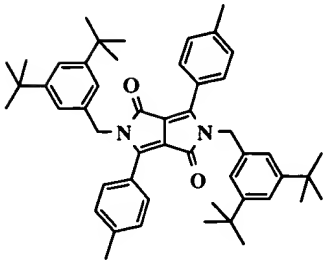
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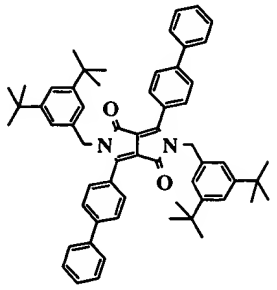
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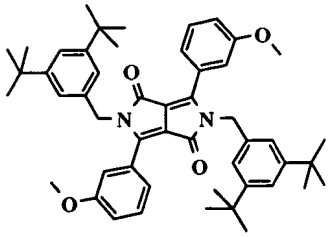
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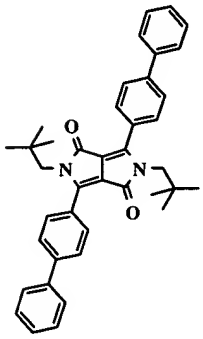
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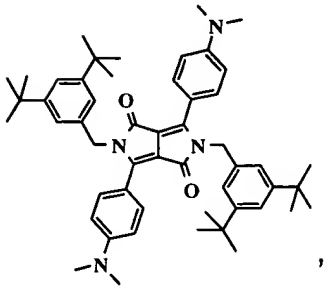
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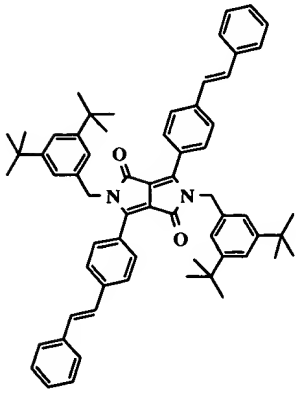
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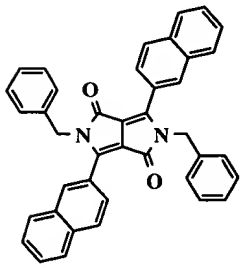
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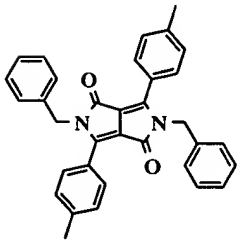
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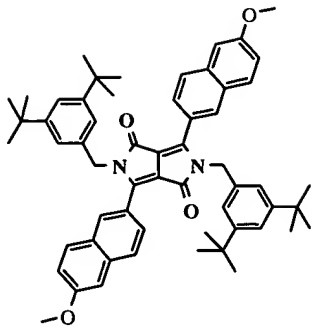
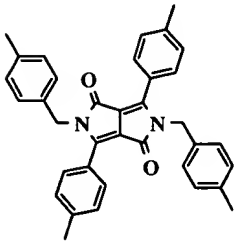
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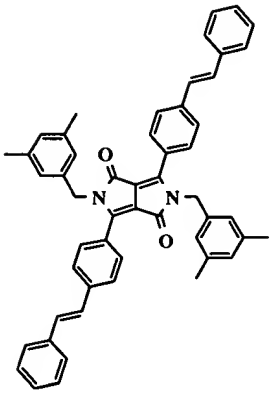
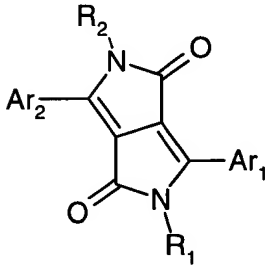
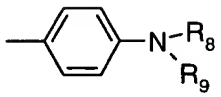


15. (new) A compound of formula I

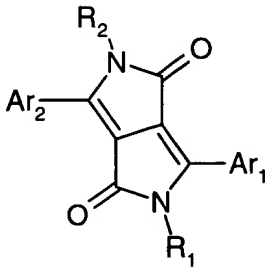


I ,

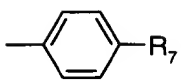


wherein R_1 and R_2 are C_1-C_8alkyl, Ar_1 and Ar_2 are a group of formula , wherein R_8 and R_9 are C_1-C_8alkyl or phenyl.

16. (new) A compound of formula I



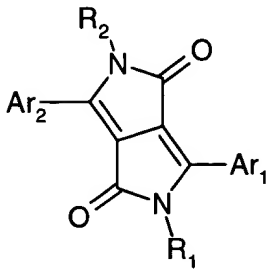
I , wherein



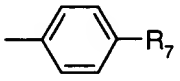
R_1 and R_2 are C_1-C_8alkyl, or $-(CH_2)_m$-Ph, Ar_1 and Ar_2 are a group of formula , wherein R_7 is $-OR_{10}$, $-N(R_8)_2$ or unsubstituted or substituted phenyl, wherein R_{10} stands for C_6-C_{24}-aryl, or a saturated

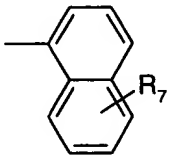
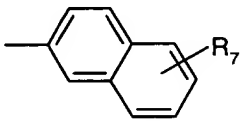
or unsaturated heterocyclic radical comprising five to seven ring atoms, wherein the ring consists of carbon atoms and one to three hetero atoms selected from the group consisting of nitrogen, oxygen and sulfur, wherein Ph, the aryl and heterocyclic radical can be substituted one to three times with C_1-C_8alkyl, C_1-C_8alkoxy, or halogen and R_8 is C_1-C_8alkyl, phenyl or a heterocyclic radical, both unsubstituted or substituted, or C_5-C_{12}-cycloalkyl.

17. (new) A compound of formula I

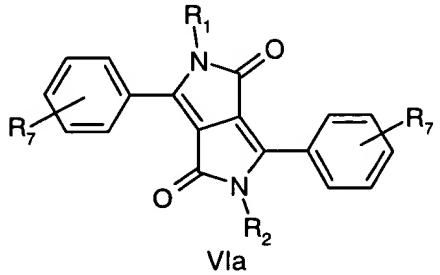


I , wherein

R_1 and R_2 are -CH_2-Ph, wherein phenyl can be substituted with phenyl, naphthyl or C_1-C_4alkyl up to two times, Ar_1 and Ar_2 are a group of formula  , wherein R_7 is C_1-C_8alkyl or phenyl, or a group of formula

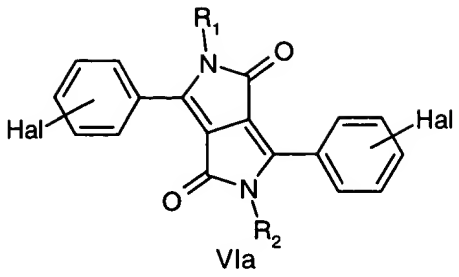
 , or  , wherein R_7 is hydrogen or OMe.

18. (new) Process for the preparation of compounds represented by formula Ia

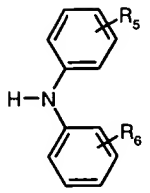


VIa

comprising (a) treating in a first step the DPP derivative of formula VIa or formula VIb



VIa



wherein R_7 stand for $-NR_8R_9$, $-OR_{10}$, $-S(O)_nR_8$, $-Se(O)_nR_8$, or , wherein R_5 and R_6, independently from each other, stand for hydrogen, cyano, halogen, C_1-C_6alkyl, $-NR'_8R'_9$, $-OR_{10}$, $-S(O)_nR'_8$, $-Se(O)_nR'_8$, wherein

R_8 and R_9, independently from each other, stand for hydrogen, phenyl, C_1-C_{25}-alkyl, C_5-C_{12}-cycloalkyl, $-CR_3R_4-(CH_2)_m$-Ph, R_{10}, wherein R_{10} stands for C_6-C_{24}-aryl, or a saturated or unsaturated heterocyclic radical comprising five to seven ring atoms,

wherein the ring consists of carbon atoms and one to three hetero atoms selected from the group consisting of nitrogen, oxygen and sulfur, wherein Ph, the aryl and heterocyclic radical can be substituted one to three times with C_1-C_8alkyl, C_1-C_8alkoxy, or halogen, or

R_8 and R_9 stand for $-C(O)R_{11}$, wherein R_{11} can be C_1-C_{25}-alkyl, C_5-C_{12}-cycloalkyl, R_{10}, $-OR_{12}$ or $-NR_{13}R_{14}$, wherein R_{12}, R_{13}, and R_{14} stand for C_1-C_{25}-alkyl, C_5-C_{12}-cycloalkyl, C_6-C_{24}-aryl,

R'_8 and R'_9, independently from each other, stand for hydrogen, phenyl, C_1-C_{25}-alkyl, C_5-C_{12}-cycloalkyl, $-CR_3R_4-(CH_2)_m$-Ph, R_{10}, wherein R_{10} stands for C_6-C_{24}-aryl, or a saturated or unsaturated heterocyclic radical comprising five to seven ring atoms, wherein the ring consists of carbon atoms and one to three hetero atoms selected from the group consisting of nitrogen, oxygen and sulfur, wherein Ph, the aryl and heterocyclic radical can be substituted one to three times with C_1-C_8alkyl, C_1-C_8alkoxy, or halogen, or

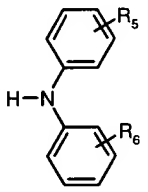
or $-NR_8R_9$ stands for a five- or six-membered heterocyclic radical in which R_8 and R_9 together stand for tetramethylene, pentamethylene, $-CH_2-CH_2-O-CH_2-CH_2-$, or

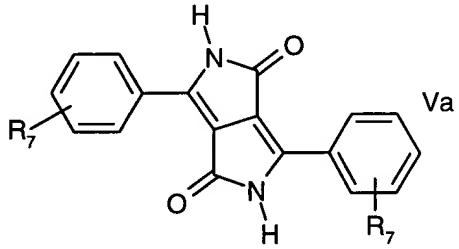
$-CH_2-CH_2-NR'_5-CH_2-CH_2-$, wherein R'_5 independently from each other, stand for hydrogen, cyano, halogen, C_1-C_6alkyl, $-OR_{10}$, $-S(O)_nR_8$, $-Se(O)_nR_8$, or phenyl, which can be substituted one to three times with C_1-C_8alkyl or C_1-C_8alkoxy, and n stands for 0, 1, 2 or 3,

R'_8 and R'_9, independently from each other, stand for hydrogen, phenyl, C_1-C_{25}-alkyl, C_5-C_{12}-cycloalkyl, $-CR_3R_4-(CH_2)_m$-Ph, R_{10}, wherein R_{10} is as defined above, or

R'_8 and R'_9 stand for $-C(O)R_{11}$, wherein R_{11} is as defined above,

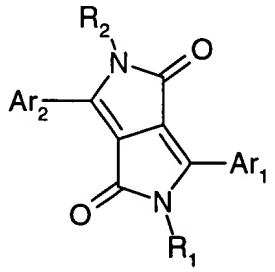
or $-NR'_8R'_9$ stands for a five- or six-membered heterocyclic radical in which R'_8 and R'_9 together stand for tetramethylene, pentamethylene, $-CH_2-CH_2-O-CH_2-CH_2-$, or $-CH_2-CH_2-NR'_5-CH_2-CH_2-$, wherein R'_5 stand for hydrogen, cyano, halogen, C_1-C_6alkyl, $-OR_{10}$, $-S(O)_nR_8$, $-Se(O)_nR_8$, or phenyl, which can be substituted one to three times with C_1-C_8alkyl or C_1-C_8alkoxy, and n is as defined above,

R_1 and R_2 are independently from each other, hydrogen, C_1-C_{25}-alkyl, allyl which can be substituted one to three times with C_1-C_3alkyl or Ar_3, or $-CR_3R_4-(CH_2)_m-Ar_3$, wherein R_3 and R_4 independently from each other stand for hydrogen, C_1-C_4alkyl, or phenyl which can be substituted one to three times with C_1-C_3, Hal stands for halogen, with a nucleophilic agent selected from a selected from $-NR_8R_9$, $-OR_{10}$, $-S(O)_nR_8$, $-Se(O)_nR_8$, or  , in a molar ratio of DPP VIa or VIb:nucleophilic agent in the range of 1.2:1 to 0.8:1, or, if R_2 has the same meaning as R_1 in the range of from 1:2.5 to 1:1, in the presence of an anhydrous dipolar aprotic solvent, and of an anhydrous base in an amount in the range of from 0.1 to 15 moles per mole of the nucleophilic agent, at a temperature in the range of from 100 to 220°C and under a pressure in the range of from 100 to 300 kPa, and optionally isolating the obtained compound


Va

(b) then treating the obtained compound Va, wherein R_7 is as defined above, with a base, thereafter in a second step, treating the reaction mixture obtained in the first step of (b) with an alkylating agent, wherein in the first step of (b) the base is a hydride, an alkali metal alkoxide or a carbonate, and the alkylating agent is a compound of the formula $(R_1)_{1 \text{ or } 2}X$, wherein X stands for SO_3-, (p-Me-phenyl)-SO_3-, (2,4,6-trimethyl-phenyl)SO_3-, $-CO_3$-, $-SO_4$-, or halogen, or a mixture of $(R_1)_{1 \text{ or } 2}X$ and $(R_2)_{1 \text{ or } 2}X$.

19. (new) Electroluminescent device according to claim 1, wherein, wherein the light-emitting substance is a diketopyrrolopyrrole ("DPP") represented by formula I

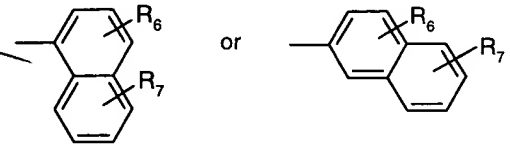


I

wherein R_1 and R_2, independently from each other, stand for C_1-C_{25}-alkyl, allyl which can be substituted one to three times with C_1-C_3alkyl or Ar_3, or -CR_3R_4-$(CH_2)_m$-Ar_3, wherein R_3 and R_4 independently from each other stand for hydrogen, C_1-C_4alkyl, or phenyl which can be substituted one to three times with C_1-C_3 alkyl,

Ar_3 stands for phenyl or 1- or 2-naphthyl which can be substituted one to three times with C_1-C_8alkyl, C_1-C_8alkoxy, halogen or phenyl, which can be substituted with C_1-C_8alkyl or C_1-C_8alkoxy one to three times, and m stands for 0, 1, 2, 3 or 4,

Ar_1 and Ar_2, independently from each other, stand for

 or

, wherein

R_6 and R_7, independently from each other, stand for hydrogen, cyano, halogen, C_1-C_6alkyl, -NR_8R_9, -OR_{10}, -$S(O)_nR_8$, -$Se(O)_nR_8$, or phenyl, which can be substituted one to three times with C_1-C_8alkyl or C_1-C_8alkoxy,

wherein R_8 and R_9, independently from each other, stand for hydrogen, phenyl, C_1-C_{25}-alkyl, C_5-C_{12}-cycloalkyl, -CR_3R_4-$(CH_2)_m$-Ph, R_{10}, wherein R_{10} stands for C_6-C_{24}-aryl, or a saturated or unsaturated heterocyclic radical comprising five to seven ring atoms,

wherein the ring consists of carbon atoms and one to three hetero atoms selected from the group consisting of nitrogen, oxygen and sulfur, wherein Ph, the aryl and heterocyclic radical can be substituted one to three times with C_1-C_8alkyl, C_1-C_8alkoxy, or halogen, or

R_8 and R_9 stand for $-C(O)R_{11}$, wherein R_{11} can be C_1-C_{25}-alkyl, C_5-C_{12}-cycloalkyl, R_{10}, $-OR_{12}$ or $-NR_{13}R_{14}$, wherein R_{12}, R_{13}, and R_{14} stand for C_1-C_{25}-alkyl, C_5-C_{12}-cycloalkyl, C_6-C_{24}-aryl,

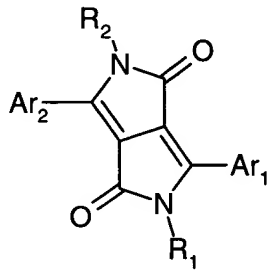
or

R_6 and R_7, independently of one another, stand for a saturated or unsaturated heterocyclic radical comprising five to seven ring atoms, wherein the ring consists of carbon atoms and one to three hetero atoms selected from the group consisting of nitrogen, oxygen and sulfur, wherein the heterocyclic radical can be substituted one to three times with C_1-C_8alkyl or C_1-C_8alkoxy,

or $-NR_8R_9$ stands for a five- or six-membered heterocyclic radical in which R_8 and R_9 together stand for tetramethylene, pentamethylene, $-CH_2-CH_2-O-CH_2-CH_2-$, or

$-CH_2-CH_2-NR'_5-CH_2-CH_2-$, wherein R'_5 independently from each other, stand for hydrogen, cyano, halogen, C_1-C_6alkyl, $-OR_{10}$, $-S(O)_nR_8$, $-Se(O)_nR_8$, or phenyl, which can be substituted one to three times with C_1-C_8alkyl or C_1-C_8alkoxy, and n stands for 0, 1, 2 or 3.

20. (new) Electroluminescent device according to claim 19, wherein the light-emitting substance is a diketopyrrolopyrrole ("DPP") represented by formula I

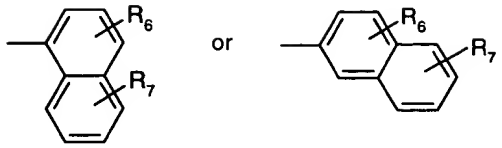


I

wherein R_1 and R_2, independently from each other, stand for C_1-C_{25}-alkyl, or $-CR_3R_4-(CH_2)_m-Ar_3$, wherein R_3 and R_4 independently from each other stand for hydrogen, C_1-C_4alkyl, or phenyl which can be substituted one to three times with C_1-C_3 alkyl,

Ar_3 stands for phenyl which can be substituted one to three times with C_1-C_8alkyl, C_1-C_8alkoxy, halogen or phenyl, which can be substituted with C_1-C_8alkyl or C_1-C_8alkoxy one to three times, and m stands for 0, 1, 2, 3 or 4,

Ar_1 and Ar_2, independently from each other, stand for



, wherein

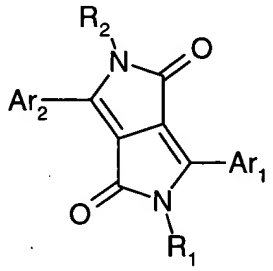
R_6 and R_7, independently from each other, stand for hydrogen, cyano, halogen, C_1-C_6alkyl, -NR_8R_9, -OR_{10}, or phenyl, which can be substituted one to three times with C_1-C_8alkyl or C_1-C_8alkoxy,

wherein R_8 and R_9, independently from each other, stand for hydrogen, phenyl, C_1-C_{25}-alkyl, C_5-C_{12}-cycloalkyl, -CR_3R_4-$(CH_2)_m$-Ph, or

-NR_8R_9 stands for a five- or six-membered heterocyclic radical in which R_8 and R_9 together stand for tetramethylene, pentamethylene, -CH_2-CH_2-O-CH_2-CH_2-, or

-CH_2-CH_2-NR'$_5$-CH_2-CH_2-, wherein R'$_5$ stand for hydrogen, C_1-C_6alkyl, or phenyl, which can be substituted one to three times with C_1-C_8alkyl or C_1-C_8alkoxy.

21. (new) Electroluminescent device according to claim 1, wherein the light-emitting substance is a diketopyrrolopyrrole ("DPP") represented by formula I

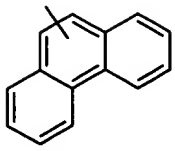
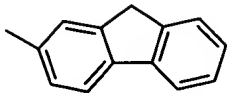
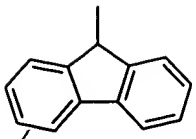
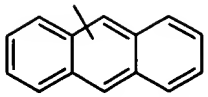


I

wherein R_1 and R_2, independently from each other, stand for C_1-C_{25}-alkyl, allyl which can be substituted one to three times with C_1-C_3alkyl or Ar_3, or -CR_3R_4-$(CH_2)_m$-Ar_3, wherein R_3 and R_4 independently from each other stand for hydrogen, C_1-C_4alkyl, or phenyl which can be substituted one to three times with C_1-C_3 alkyl,

Ar_3 stands for phenyl or 1- or 2-naphthyl which can be substituted one to three times with C_1-C_8alkyl, C_1-C_8alkoxy, halogen or phenyl, which can be substituted with C_1-C_8alkyl or C_1-C_8alkoxy one to three times, and m stands for 0, 1, 2, 3 or 4,

Ar_1 and Ar_2, independently from each other, stand for

, , , , or .

Cancel claims 4, 5, 6, 8-11,